MAKHANEK, N.G.; KUKARKIN, A.S.

High output blast furnace operations. Izv. vys. ucheb. zav.; chern. met. 5 no.5:37-43 '62. (MIRA 15:6)

1. Ural'skiy politekhnicheskiy institut.
(Blast furnaces)

1. Ural'skiy politekhnicheskiy institut.

(Blast furnaces-Models) (Gas dynamics)

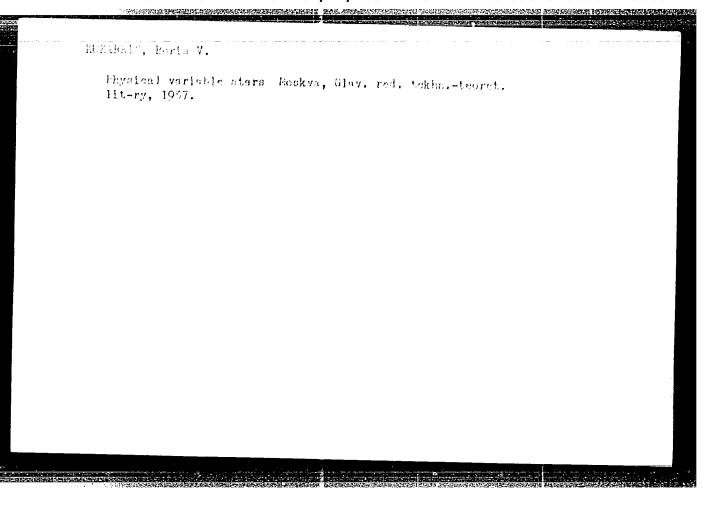
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35391 O Napravlenii Plemennoy Rabotys Pemesyami Krupnogo Rogatogo Skota V Novosibirskoy Oblasti. V SB:Hichurinskuyu Nauku-V Praktiku Zhivotnovodstva. Novosibirsk, 19k9, S. 53-70

SO: Letopis' Zhurnal'nykh Statey Vol. 3k, Moskva, 19k9



KUKARKINABSV8

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2. USSR (600)

"Selective and total light absorption in the plane of the milky way," Astron. Zhur.,
17, No. 1, 1940. Institute imeni Sternberg, Moscow. (submitted Oct 1939)

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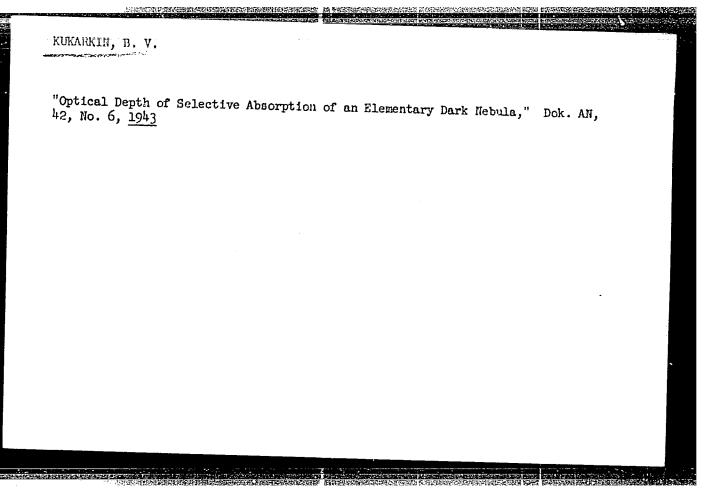
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- 1. KUKARKIN, B.V.
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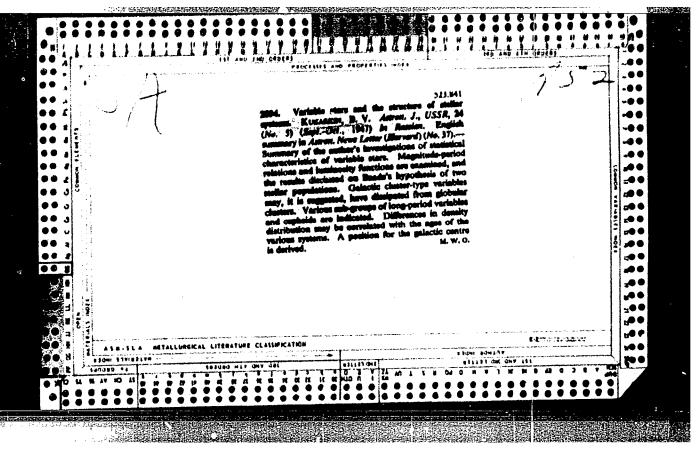
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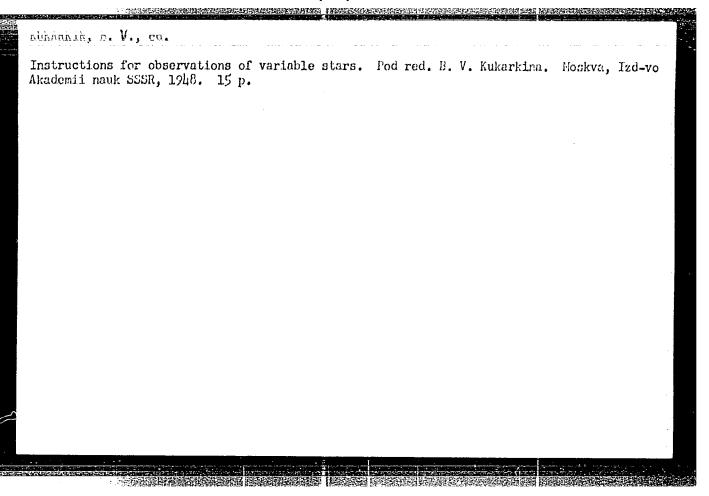
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Dissertations presented for degrees in science and engineering in Moscow in 1947 DocTorate in Physica-Malkomatical Sciences

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- 2. USSR (600)
- 4. Physics and Mathematics
- 7. Investigation of the Structure and Development of Celestial Systems on the Basis of Study of Variable Stars, Kukarkin, B. V. (Moscow-Leningrad, State Technical Press, 1949). Reviewed by Shayn, G. A., Sov. Kniga, No 6,1950.

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[Second supplement to the first edition of the general catalog of variable stars; containing data on 850 variable stars noted in 1949 and 1950, with more precise data on 302 earlier noted variable stars] Vtoroe dopolnenie k pervonu izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 850 peremennykh zvezdakh, oboznachennykh v 1949 i 1950 gg., a takzhe utochenennye svedeniia o 302 ranee oboznachennykh peremennykh zvesdakh. Moskva, Izdvo Akademii nauk SSSR, 1950. 70 p. (MIRA 8:7) (Stars, Variable)

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[Third supplement to the first edition of the general catalog of variable stars, containing data on 997 variable stars noted in 1951, with more precise data on 269 earlier noted variable stars.] Tret'e dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvesd, soderzhashchee svedeniia o 997 peremennykh zvezdakh, oboznachennykh v 1951 g., a takzhe utochnennye svedeniia o 259 ranee oboznachennykh peremennykh zvesdakh. Moskva, Izd-vo Akademii nauk SSSR, 1951, 93 p. (MIRA 8:7) (Stars, Variable)

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[Catalog of stars suspected of being variable, containing information on 5835 variable stars discovered but not assigned a definitive symbol before 1951, and on 2299 stars whose variability is dubious] Katalog zvezd, zapodozrennykh v peremennosti; soderzhashchii svedeniia o 5835 peremennykh zvezdakh, otkrytykh i ne poluchivshikh okonchatel nogo oboznacheniie do 1951 goda, i o 2299 zvezdakh, peremennost' kotorykh somnitel na. Moskva, Izd-vo Akademii nauk SSSR, 1951. 239 p. (MLRA 6:7)

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[Fourth supplement to the first edition of the general catalog of variable stars, containing data on 105 variable stars noted in 1952, with more precise data on 613 earlier noted variable stars.] Chetvertoe dopolnenie k pervomy izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 105 peremennykh zvezdakh, obeznachennykh v 1952 g., a takzhe utochnennye svedeniia o 613 ranee obezhachennykh peremennykh zvezdakh. Moskva, Izd-vo Akademii nauk SSSR, 1952, 86 p.

(Stars, Variable) (MLRA 8:7)

USSR/Astronomy - Cosmogony, Soviet

"Leading Cosmogonical Science" Prof B. V. Kukarkin

"Nauka i Zhizn" No 7, pp 29-32

Eulogizes new Soviet materialistic cosmogony as opposed to reactionary theory of the West, which had relied on false hypotheses of Jeans and physics of Weizsaecker applied to artificial universe, until

V. G. Fesenkov, V. A. Ambartsumyan, and O. Yu. Shmidt created the right theory, based on philosophy of Marx, Engels, Lenin and Stalin.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827230007-2"

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- 2. USSR (600)
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- 7. Eighth Conference of the International Astronomical Society. Vest. An SSSR. 22 No. 11. 1952.

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Jan/Feb 52

"Chronicle: Decision of Enlarged Session of Presidium of Astronomical Council of the Academy of Sciences USSR on 22 January 1952"

"Astron Zhur" Vol XXIX, No 1, pp 101, 102

Professor B. V. Kukarkin, Acting Pres, Astr Council of Acad Sci USSR, protested against decision of International Ast Union to have the next international congress in Rome in Sep after having refused to meet in Leningrad in 1951 or 1952. Under pressure of US and Britain an "iron curtain" is erected against international relations.

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KUKARKIN, V.

Stars - Distribution

Meeting on questions of star associations and distribution of hot giants. Astron. tsir. no. 122, 1952.

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KUKARKIN, B.V.; PARENAGO, P.P.; YEFREMOV, Yu.I.; KHOLOPOV, P.N.

AUNAAAAA, DIE

[Fifth supplement to the first edition of the general catalog of variable stars, containing data relative to 70 variable stars appearing in 1953 plus more precise data on 324 variable stars appearing earlier] Piatoe dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 70 peremennykh zvezdakh, obosnachennykh v 1953 g., a takshe utochnennye svedeniia o 324 ranee obosnachennykh peremennykh zvezdakh. Moskva, Isd-vo Akademii nauk SSSR, 1953. 51 p. (MIRA 7:9) (Stars, Variable)

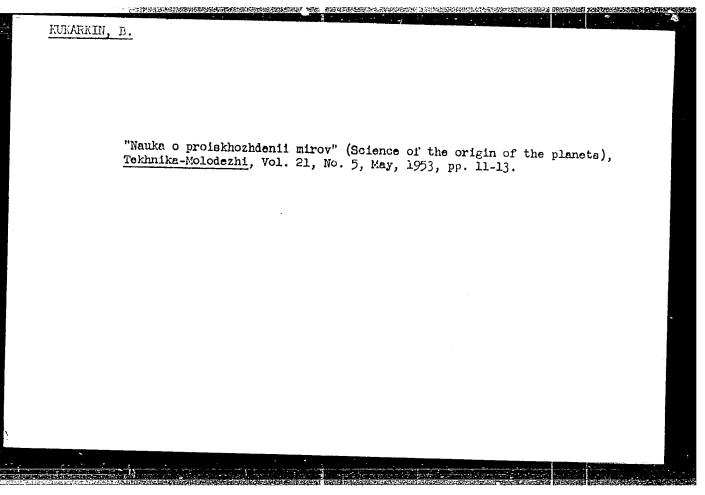
SADYKOV, Kh.u.; KUKARKIN, B.V., professor, redaktor. (444)

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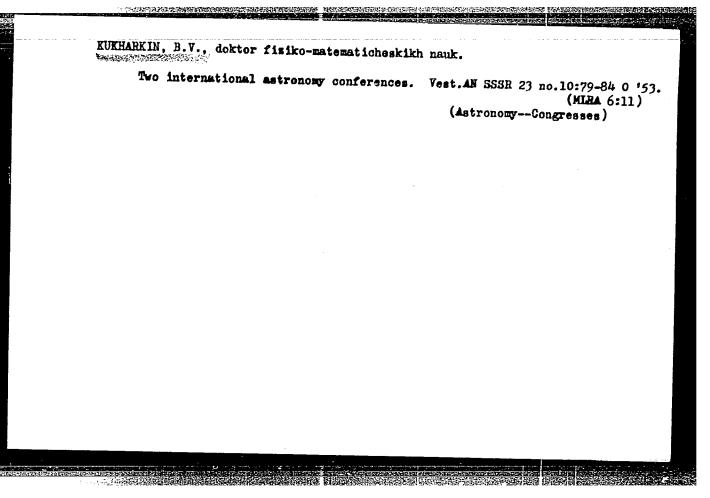
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LAVHENT'YEV, M.A., akademik, redaktor; AMBARTSUNYAN, V.A., akademik; KUKARKIN, B.V., doktor fiziko-matematicheskikh nauk; PARENAGO, P.P., chlem-kerrespondent AN SSSR; LEVIN, B.Yu., kandidat fiziko-matematicheskikh nauk; MASEVICH, A.C., kandidat fiziko-matematicheskikh nauk, redaktor.

[Transactions of the 2nd conference on problems of cosmogony, 19-22 May 1952] Soveshchanie po voprosam kosmogonii. Trudy. Red. koll. M.A. Lavrent'ev i dr. Moskva, 1953. 582 p. (MLRA 7:5) (Cosmogony) (Stars)



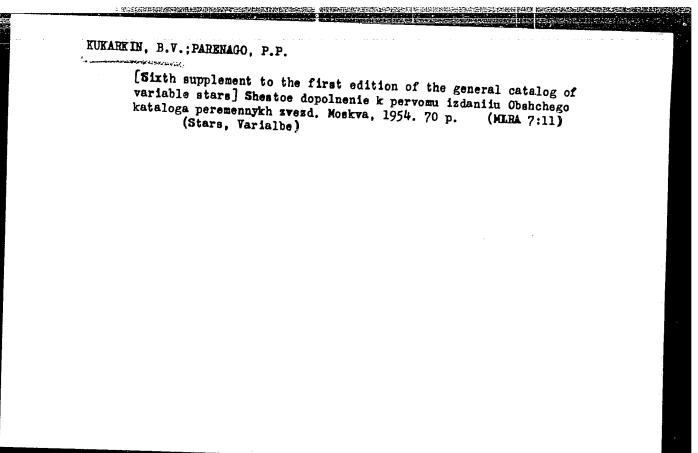
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SS Lyrse. Astron.tsir. no.137:9-10 ap '53. (MLRA 6:8)

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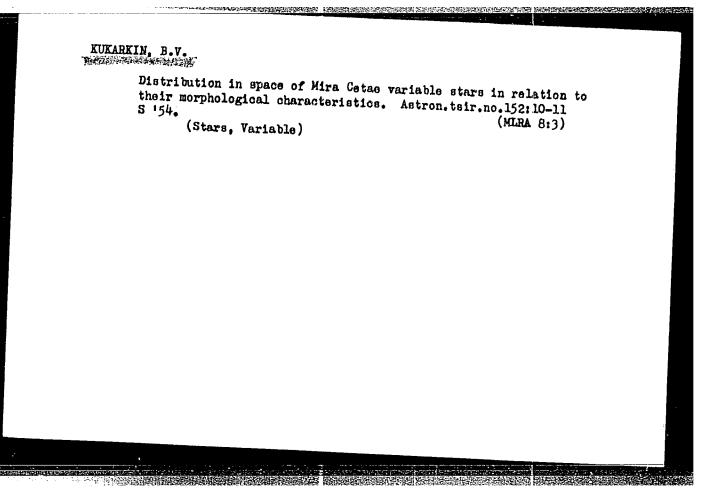
KUKARKIN, B.V., doktor fiziko-matematicheskikh nauk, redaktor; PA-HITSKII, N.N., kandidat fiziko-matematicheskikh nauk, redaktor; BARANOV, V.I., doktor fiziko-matematicheskikh nauk, redaktor; BELOUSOV, V.V., redaktor; LEVIN, B.Yu., kandidat fiziko-matematicheskikh nauk, redaktor. MASEVICH, A.G., kandidat fizikomatematicheskikh nauk, redaktor; SAFRONOV, V.S., kandidat fiziko-matematicheskikh nauk, redaktor.

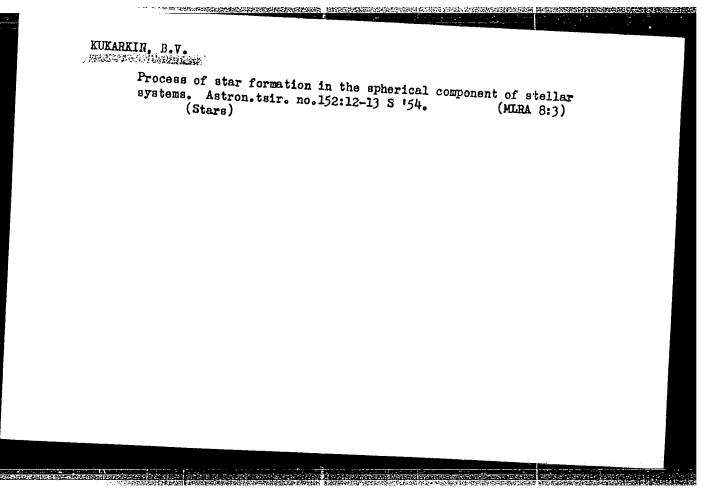
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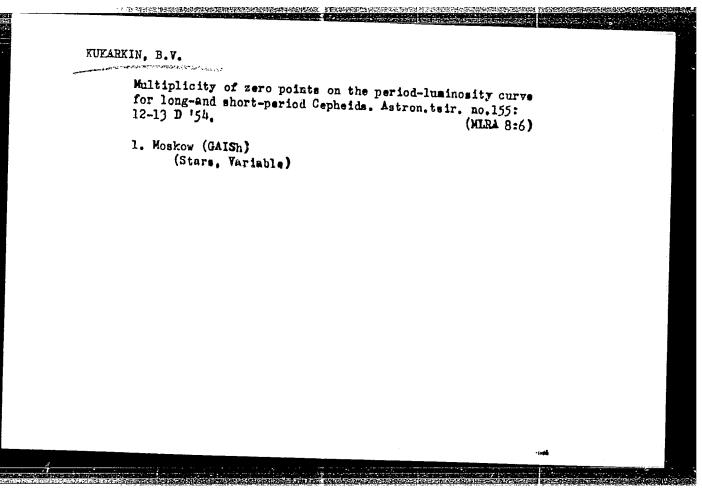
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[Seventh supplement to the first edition of the General catalog of variable stars] Sed'moe dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvezd. Moskva, Izd-vo Akademii nauk SSSR, 1955. 71 p. (MLRA 8:12)

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AMBARTSUMYAN, V.A., akademik, redaktor; MUSTEL!, E.R., redaktor; PAREMAGO P.P., redaktor; KUKAHKIN, B.V., doktor fiziko-matematicheskikh nauk; MARTINOV, D.Ia., doktor fiziko-matematicheskikh nauk, redaktor; MASEVICH, A.G. kandidat fiziko-matematicheskikh nauk, redaktor; LEYKIN, G.A. kandidat fiziko-matematicheskikh nauk, redaktor; YEFREMOV, Yu.I., redaktor; POLYAKOVA, T.V., tekhnicheskiy redaktor.

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[Transactions of the Fourth Conference on Problems of Cosmogony; non-stationary stars] Trudy chetvertogo soveshchaniia po voprosam kosmogonii; nestatsionnarnye svezdy. Moskva, Isd-vo Akademii nauk SSSR, 1955. 512 p. (MLRA 8:12)

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- 2. Soveshchaniye po voprosam kosmogonii. 4th Moscow, 1954. (Stars)

Card 1/1 Pub. 124 - 35/45 Authors : Kukarkin, B. V., Dr. of Phys. Math. Sc. Title : The study of variable stars Feriodical : Vest. AN SSSR 2. 96-98, Feb. 1955 Abstract : The numerous problems involved in the study of variable stars were analyzed during the fourth session on cosmogony, held in Moscov during October 26-29, 1954. The progress made by Soviet astronomers in studying variable stars of various types end the application of the results obtained toward the solution of cosmogonic problems was outlined. Institution: Submitted :	USSR/ Scien	tif	ic Organization - Conferences	
Title : The study of variable stars Feriodical: Vest. AN SSSR 2. 96-98. Feb. 1955 Abstract: The numerous problems involved in the study of variable stars were analyzed during the fourth session on cosmogony, held in Moscov during October 26-29, 1954. The progress made by Soviet astronomers in studying variable stars of various types and the application of the results obtained toward the solution of cosmogonic problems was outlined. Institution:	Card 1/1		Pub. 124 - 35/45	
Periodical: Vest. AN SSSR 2, 96-98; Feb. 1955 Abstract: The numerous problems involved in the study of veriable stars were analyzed during the fourth session on cosmogony, held in Moscov during October 26-29, 1954. The progress made by Soviet astronomers in studying variable stars of various types end the application of the results obtained toward the solution of cosmogonic problems was outlined. Institution:	Authors	8	Kukarkin, B. V., Dr. of Phys-Math. Sc.	
the numerous problems involved in the study of veriable stars were enalyzed during the fourth session on cosmogony, held in Moscov during October 26-29, 1954. The progress made by Soviet astronomers in studying variable stars of various types and the application of the results obtained toward the solution of cosmogonic problems was outlined. Institution:	Title	E	The study of variable stars	
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KUKARKIN B.V.; PARENAGO, P.P.; TETRETOV. Tar.I; KHOLOPOV, P.N.; GUROV. K.P. redaktor izdatel'stva; POLYAKOVA, T.V.tekhni-cheskly redaktor.

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[Might supplement to the first edition of the general catalog of variable stars containing information en 629 variable stars recorded in 1956] Vos moe dopolnenie k pervonu izdaniiu obshchege kataloga peremennykh zvezd, sodershashchee svedeniia o 629 peremennykh zvezdakh, oboznachennykh v 1956 g. Moskva, Izd-vo Akad. nauk SSSR, 1956. 61 p. (MLRA 10:6) (Stars--Catalogs) (Stars, Variable)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827230007-2"

Simple method for determining stellar magnitudes on photographic plates in comparison with standard stars. Astron.tsirk.no.173;9-10 0 *56. (MIRA 10:1) 1. Astronomicheskiy institut imeni Shternberga, Moskva. (Stars---Magnitudes)

KUKARKIN, B.V.

Fluctuations in the periods of short-period Cepheids. Astron. tsirk.no.173:10-11 0 56. (MLRA 10:1)

 Astronomicheskiy institut imeni P.K.Shternberga, Moskva. (Stars, Variable)

Two	Two eclipsing variables. Astron.tsirk. no.174:20 N		.174:20 N '56.	
1. /	Astronomicheskiy	institut im. Shternber (Stars, Variable)	(MLR rga, Moskva.	A 10:3)

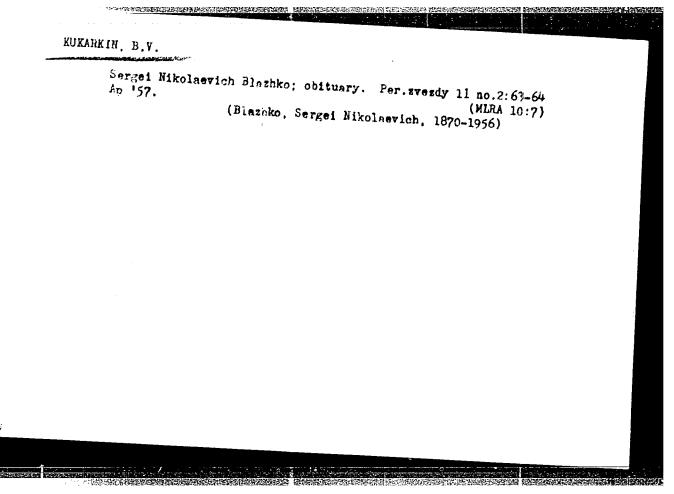
KUKARKIN, E.v.

Maxima of some Mira Ceti-type stars. Astron.tsirk. no.174:20-21
N '56. (MLRA 10:3)

1. Astronomicheskiy institut im.Shternberga, Moskva.

(Stars, Variable)

Eighteen Mi no.1:33-43	ira Coti-type stars in Gemini. S '57 [Publ.1959.]	Per.gvezdy 12
l. Gosudars Shternberga	tvennvy Astronomicheckie 4	tut im. P.K.
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KUKARKIN

Name

: KUKHARIN, B. V.

Title

: Professor, Doctor of Physics and Mathematics

Remarks

: Professor Kukharin is the author of an article entitled "Optical Observation of the Earth Satellite". The article discusses the techniques of optical and photographic observations of the satellite, and problems of space research, such as the measurement of the thickness of the atmosphere and the determination of the degree of deviation from theoretical flight paths for artificial satellites, which can be solved by these observations. It also mentions the Soviet Union's plans for new satellites equipped with optical instruments to investigate the moon's surface, the radiation of celestial bodies, etc.

Source

: P: Wissen und Leben (Leipzig), No. 12, 1957, Special Appendix, "Der Erste Schritt in den Kosmos" (First Step into Space), p. 19

KUKARKIN, B.V.

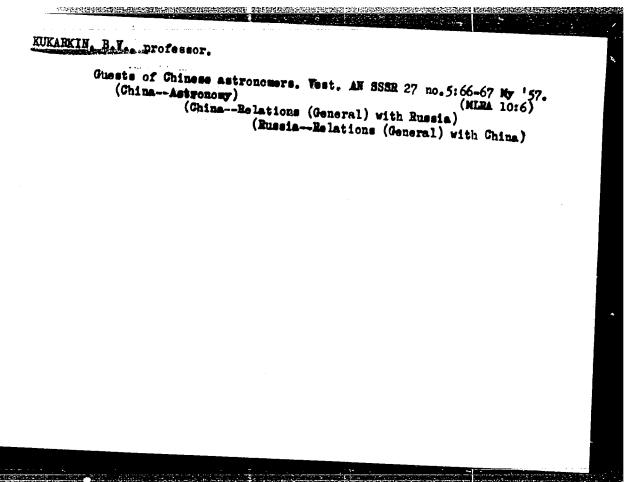
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Five variable stars in the vicinity of the globular cluster NGC 5466. Per.zvezdy 12 no.1:50-52 S '57. [Publ.1959.] (MIRA 13:5)

1. Gosudarstvennyy astronomicheskiy institut in. P.K.Shternberga.

(Stars, Variable)

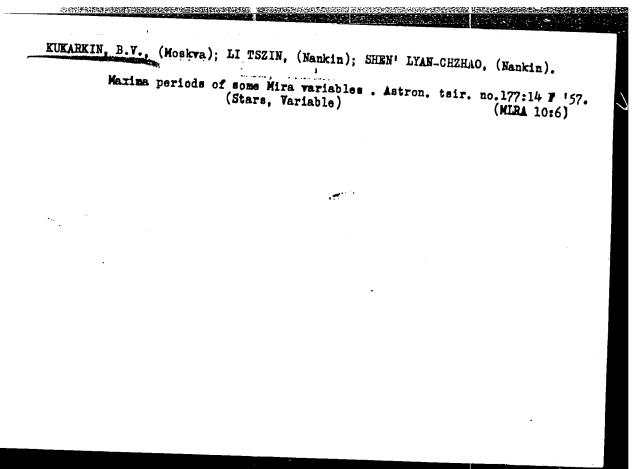
KUKARKIM, B.V. Belipsing variable QQ Cassiopeiae. Per.zvendy 12 no.1: (MIRA 13:5) 1. Gooudarstvennyy Astronomicheskiy institut im. P.K. Shternberga, Moskya. (Stars, Variable)



Eclipsing variable star V 889 Aquilae with high eccentricity. Astron.
tsir. no.176:13 Ja '57.

(MIRA 10:6)

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga, Moskva.
(Stars, Variable)



KUKARKIN, B.V., (Moskva); LI TSZIN, (Wankin); SHEN' LYAN_CHZHAO, (Nankin).

Righty-eight variable stars in the Orion nebula. Astron. tsir. no.177:

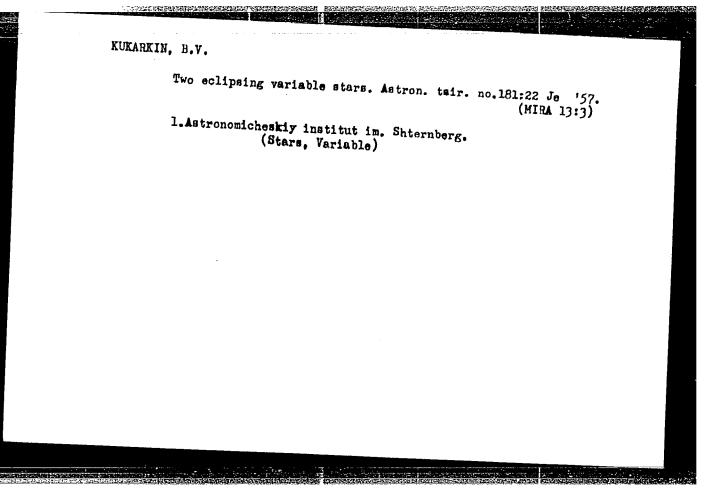
14-15 F'57.

(Stars, Variable)

KUKARKIN, B.V., (Moskya); LI TSZIN, (Nankin); SHEN' LYAN-CHZHAO, (Nankin).

Variability of stars having hydrogen emission lines in the Orion.
Astron. tsir. no.177:16 F '57. (MIRA 10:6)

(Stars, Variable)



KUKARKIN, B. V.

Maxima of 16 Mira Ceti-type stars. Astron. tsir. no.182:13-14 Je '57. (MIRA 11:3)

l. Astronomicheskiy institut im. Shternberga, Moskva. (Stars, Variable)

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Six variable stars discovered by Romano. Astron. tsir. no.182:16 Je '57. (MIRA 11:3) 1. Astronomicheskiy institut im. Shternberga, Moskya. (Stars, Variable)

KUKAPKHI, B.V.

Brilliant U Geminorum-type variable star. Astron.tair. no.186:19
N '57.

(HIRA 11:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga,
Moskva.

(Stars, Variable)

KUKARIN, B.V.

[General catalog of variable stars, containing data on 14,708 variable stars discovered and designated before 1958] Obshchiy katalog peremennykh zvezd. 2.id. soderzhashcheye svedeniya o 14708 peremennykh zvezdakh, otkrytykh i oboznachennykh do 1958 goda. Moskva, Izd-vo Akademii nauk SSSR, 1958. 2 v. 27 p.

(Stars. Variable--Catalogues) (MIRA 12:1)

YEFREMOV, Yu.I.; KHOLOPOV, P.H.; KUKARKIN, B.V., otv. red.; POLYAKOVA, T.V., tekhn. red.

[Ninth supplement to the first edition of the general catalog of variable stars, containing information on 337 variable stars recorded in 1957] Deviatoe dopolnenie k pervomi izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 337 peremennykh zvezdakh, oboznachennykh v 1957 g. Moskva, Izd-vo Akad, nauk SSSR, 1958, 46 p.

(Stars, Variable--Catalogs)

PEREL!, Yuriy Grigor'yevich; KUKARKIN, B.V., prof., red.; YERPYLEV, H.P., red.; KRYUCHKOVA, V.N., tekhn.red.

[Development of ideas about the universe] Razvitie predstavlenii o vselennoi. Pod red. B.V.Kukarkina. Moskva, Gos.izd-vo fiziko-matem. lit-ry, 1958. 352 p. (MIRA 12:1)

(Cosmology)

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	Veprosy kosmografi, t. 5 (Problems in Cosmogony, Vol. 6) Isd-vo An USSR, 1958. 367 p. 2,000 depies printed.	Hosage.		
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AUTHOR:

Kukarkin, B.V., Professor

26-58-2-18/48

TITLE:

Optical Methods for the Observation of Artificial Earth Satellites (Opticheskiye metody nablyudeniya iskusstvennykh sputnikov zemli)

PERIODICAL:

Priroda, 1958, Nr 2, pp 83-84 (USSR)

ABSTRACT:

Optical observation of satellites becomes very important when the radio-transmitter ceases to send out signals and especially in the case of carrier rockets not fitted with transmitters. The Astronomical Council of the Academy of Sciences of the USSR has organized a network of 66 stations for optical observations, but relies to a large extent on the help of amateur astronomers all over the country. The sputniks can best be observed shortly after sunset or before sunrise. Ordinary binoculars can be used and the sputnik's position fixed in relation to other heavenly bodies. The time of observation should be accurately noted to a fraction of a second. Even better is a photo of the sputnik made with full apperture and very sensitive film. The camera should be fixed on a stand and the apperture blocked at recorded intervals of time so as to leave a trace of the sputnik's course on the film. Reports and photographs of the satellites are sent in from

Card 1/2

26-58-2-18/48

Optical Methods for the Observation of Artificial Earth Satellites

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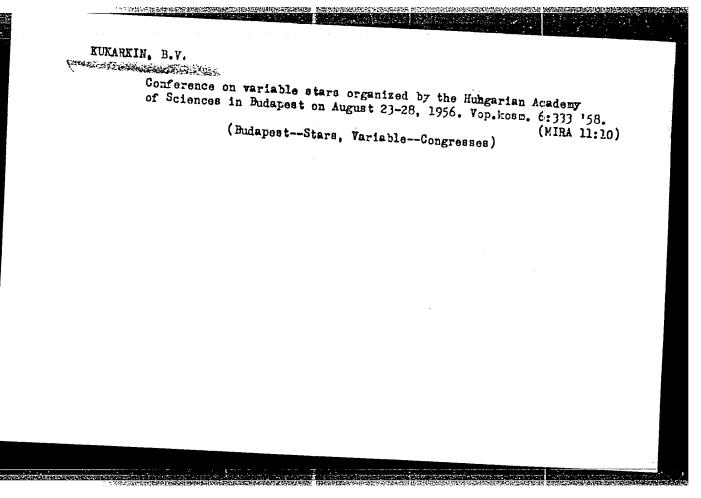
amateur astronomers to the Astronomical Council. F.V. Yablokov, head of the Aviameteostantsiya Maykop (Maykop Aeronautical Meteorological Station) has made systematic observations of the carrier-rocket of the first satellite using free balloons and theodolite, and has suggested that the hydro-meteorological service network be conscripted into making observations of the satellites. There is 1 photo.

ASSOCIATION: Astronomicheskiy Sovet Akademii nauk SSSR, Moskva (Astronomical

Council of the Academy of Sciences of the USSR, Moscow)

Card 2/2

1. Satellites--Tracking 2. Optical systems--Applications



AUTHOR:

Kukarkin, B.V., Professor

SOV-26-58-10-30/51

TITLE:

The Structure of Galaxies and Metagalaxies (Stroyeniye galaktik i metagalaktiki)

PERIODICAL:

Priroda, 1958, Nr 10, pp 111 - 112 (USSR)

ABSTRACT:

The article deals with the XI Conference held in Brussels from 9-13 June and devoted to problems of the structure and development of the galaxies and the metagalaxy. The conference was attended by scientists from the US, USSR, and most European countries.

ASSOCIATION:

Astronomicheskiy sovet Akademii nauk SSSR/Moskva (The Astronomical Council of the USSR Academy of Sciences/Moscow)

1. Galaxies -- Theory

Card 1/1

CIA-RDP86-00513R000827230007-2 "APPROVED FOR RELEASE: 07/12/2001

507/30-58-9-21/51 AUTHOR:

Kukarkin, B. V., Doctor of Physical and Mathematical Sciences

TITLE: News in Brief (Kratkiye soobshcheniya) Transactions of the XI. Solvay Conference (XI. Solveyevskaya konferentsiya)

Vestnik Akademii nauk SSSR, 1958, Nr 9, pp. 90-91 (USSR) PERIODICAL:

ABSTRACT: The confernce was held in Brussels from June 3-13. It dealt

with problems of the structure and development of galactics and metagalactics. The majority of reports were given by scientists from western countries. V. A. Ambartsumyan (USSR) reported on possible trends of development of the galactics in the light of the theories of astral development elaborated by him and based on the analysis of concrete observations. On the part of the USSR also B. V. Kukarkin attended the conference. On the last day of the conference a general discussion. took place. The conference was well organized which

circumstance guaranteed fertile work.

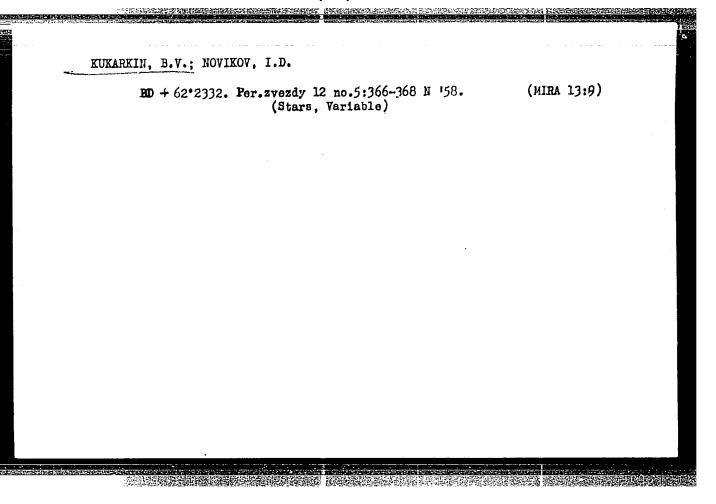
Card 1/P

KUKARKIN, B.V.; KUKARKINA, N.P.

Investigating variable stars in the globular cluster M3-NGC 5272. Part 1. Catalog of photographic magnitudes of 81 stars in the outer regions of the cluster. Per.zvezdy 12 no.4:291-292 Je 158. (MIRA 13:4)

1. Gosudarstvennyy astronomicheskiy institut im.P.K.Shternberga. (Stars, Variable)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827230007-2"



3(1) AUTHORS: Kukarkin, B. V., Kulikovskiy, P. G., TITLE: New Achievements in Astronomy (Novyye uspekhi astronomii) On the Results of the Xth International Astronomical Congress (K itogam X mezhdunarodnogo astronomicheskogo s"yezda)

Vestnik Akademii nauk SSSR, 1958, Nr 12, pp 38 - 46 (USSR) PERIODICAL:

> This congress took place in Moscow from August 12 to 20. More than 1200 scientists from 37 countries attended it. A. A. Mikhaylov was elected head of the committee for the preparation of the symposion "The earth rotation and atomic time standards" and P. P. Parenago was elected member of the organization committee of the symposium "Herzsprung-Ressell (Khertsshprung-Ressell) diagram". "Explosions on the sun and their corpuscular radiation" (A. B. Severnyy), "The development of chemical elements in the stars" (A. G. Masevich). "Utilization of sputniks and "stratostates" for astronomical observations" (0. A. Mel'nikov), "Luminous power of Cepheids" (P. P. Parenago) were suggested as topics for discussion. Three unofficial symposia took place, which were opened by Soviet scientists: "Development of the element of meteorites" (V. G. Fesenkov), "The development of the earth and the

SOV/30-58-12-9/46

Card 1/6

ABSTRACT:

DOMESTIC STREET, STREE

New Achievements in Astronomy. On the Results of the Xth International Astronomical Congress

SOV/30-58-12-9/46

planets" (B. Yu. Levin), and "Physics of planetary nebulae" (B. A. Vorontsov-Vel'yaminov). During the conference K. F. Ogorodnikov published the periodical "Kosmos". The participants in the conference were welcomed by F. R. Kozlov, Deputy Premier of the Council of Ministers of the USSR. and also by Academician K. V. Ostrovityanov, Vice-President of the AS USSR. The head of the Gosudarstvennyy astronomicheskiy institut im. P. K. Shternberga (State Astronomical Institute imeni P. K. Shternberg), Professor D. Ya. Martynov, welcomed the directors of astronomical institutes and prominent scientists. At the opening of the conference the participants were welcomed by A. N. Kosygin, Deputy Premier of the Council of Ministers of the USSR. On behalf of the presidential committee of the AS USSR the participants in the conference were welcomed by Academician A. V. Topchiyev, Vice-President of the AS USSR. Academician V. A. Ambartsumyan, Chairman of the organization committee, spoke on the development of astrophysics | Furthermore the Soviet scientists reported on:

Card 2/6

New Achievements in Astronomy. On the Results of the Xth International Astronomical Congress

SOV/30-58-12-9/46

- I. M. Kopylov on the diagram of hot O- and T-associations.
- P. N. Kholopov on the analysis of the diagrams of T-associations and their relationships to the O-associations.
- K. A. Barkhatova on the analysis of the diagrams of scattered star clusters.
- A. G. Masevich on the development of stars with an unsteady mass.
- V. A. Krat on possible directions in the development of stars on the Herzsprung-Ressell diagram.
- E. R. Mustel' on the loss of mass in stars of different classes.
- V. G. Fesenkov, G. M. Idlis on the role of corpuscular radiation in stars as an important factor of development.
- Ye. P. Fedorov on the nutation according to values of latitude observations.
- A. A. Nemiro, M. S. Zverev on the influence of systematic errors in star catalogues on the determination of irregularities in the rotation of the earth.
- D. A. Frank-Kamenetskiy on the possibility of nuclear reactions in cold acceleration of the particles.

Further lectures were given by:

Card 3/6

New Achievements in Astronomy. On the Results of the Xth International Astronomical Congress

SOV/30-58-12-9/46

- P. E. Nemirovskiy on nuclear structure and development of the elements.
- B. A. Tverskoy, R. Z. Sagdayev on some possible nuclear processes in star atmospheres.
- A. B. Severnyy on observations by means of a sun-magnetograph.
- E. R. Mustel' explained the relationship between geomagnetical storms and the transit of flocculi through the visible center of the disk of the sun.
- S. N. Vernov, A. Ye. Chudakov on the investigation of primary components of cosmic radiation based on data determined by the second and the third Soviet sputnik.
- T. N. Nazarova and A. Dubin (USA) on the investigation of micro-meteors by means of the Soviet and American sputniks.
- V. I. Krasovskiy on Soviet investigations of the ionosphere by means of rockets and sputniks.
- Ya. L. Al'pert, L. A. Zhekulin, A. N. Kazantseva and the American scientist G. Siri on the investigation of the ionosphere by radio observations of the sputniks.
- V. P. Tsesevich on changes in the light emanating from the Soviet sputniks.

Card 4/6

New Achievements in Astronomy. On the Results of the Xth International Astronomical Congress

SOY/30-58-12-9/46

Ye. D. Pavlovskaya on short-periodic Cepheids.

Yu. P. Pskovskiy on several revision evaluations of the absolute size of the Cepheids.

In the Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy) a discussion on several problems of meteorite chemistry was carried out by the Komitet po meteoritike Akademii nauk SSSR (Committee for Meteoretics of the Academy of Sciences, USSR), which was attended by A. P. Vinogradov, V. G. Fesenkov, A. 4. Yanvel', and L. G. Kvasha for the USSR. In the symposium on the development of the earth and the planets the USSR was represented by Ye. L. Ruskol, A. I. Lebedinskiy, B. Yu. Levin, V. S. Safronov, and V. A. Krat. In the discussion on the development of the comets the USSR delegated S. K. Vsekhsvyatskiy, V. G. Fesenkov, K. A. Shteyns, V. I. Cherednichenko, and I. S. Astapovich. The discussion on the physics of planetary nebulae was attended by B. A. Yorontsov-Vel'yaminov, G. A. Gurzadyan, N. Razmadze, and Yu. P. Pskovskiy. A new executive committee of the

Card 5/6

New Achievements in Astronomy. On the Results SOV/30-58-12-9/46 of the Xth International Astronomical Congress

International Astronomical Union was elected. Soviet astronomers were elected chairmen of a number of commissions. The next conference is to take place in the USA.

Card 6/6

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827230007-2"

KUKARKIN, B.V., prof.

Structure of galaxies and of the metagelaxy. Friroda hy no.10: (MIRA 11:11)

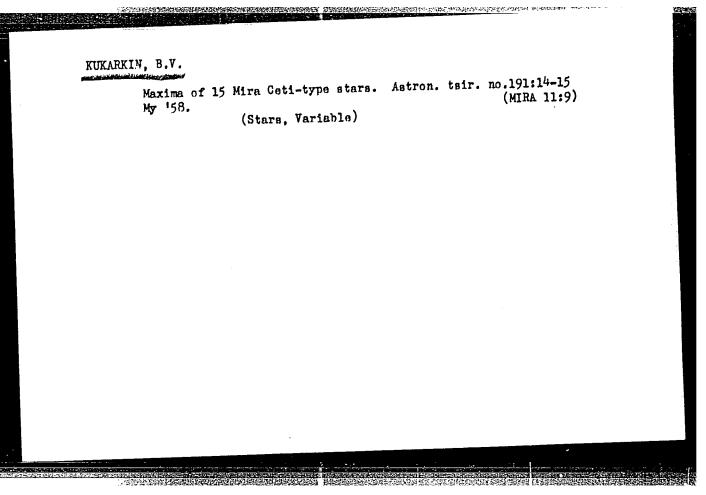
1. Astronomicheskiy Sovet AN SSSR (Moskva). (Galaxies)

KUKARKIN, B.V.

Maxima of 15 Mira Ceti-type stars. Astron. tsir. no.190:19-20
(MIRA 11:9)

Mr '58.

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.
(Stars, Variable)



Two variable stars. Astron. tsir. no.191:15-16 My 158. (MIRA 11:9)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga, Moskva.

(Stars, Variable)

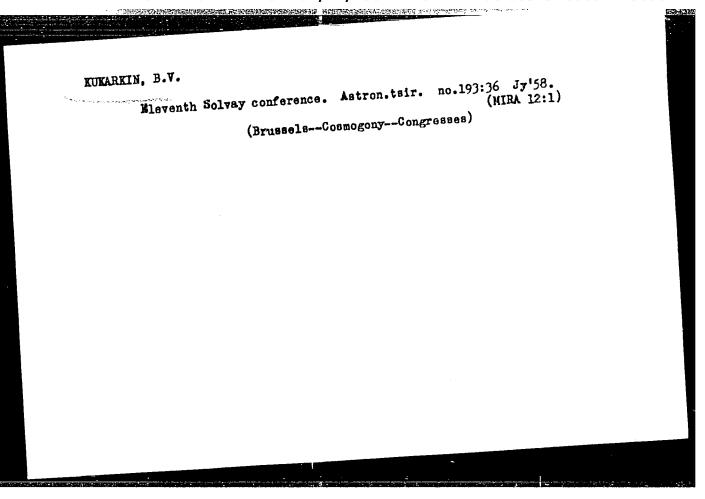
Marina of 14 Mira Ceti-type stars. Astron.tsir. no.103126-27

[NIZA 12:1)

Jy '58.

1. Gosumarstvennyy astronomicheskiy institut in. P.I.Stermbergs.

Noskva. (Stars, Variable)



KUKARKIN, Boris Vasil'yevich, prof.; RYBNIKOV, Konstantin Alekseyevich, prof.; BASHMAKOVA, Izabella Grigor'yevna; YUSHKEVICH, Adol'f prof.; BASHMAKOVA, Izabella Grigor'yevna; YUSHKEVICH, Adol'f Pavlovich; YANOVSKAYA, Sof'ya Aleksandrovna; SPASSKIY, Boris Ivanovich, dotsent; MIKHAYLOV, Glab Konstantinovich, starshiy Ivanovich, dotsent; MATYNOV, D.Ya., prof., otv.red.; GORHEYEV, nauchnyy sotrudnik; MATYNOV, D.Ya., prof., red.; KUDRYAVISEV, D.I., prof., red.; IVANENKO, D.D., prof., red.; KHRGIAN, P.S., prof., red.; VERKHUNOV, A.Kh., prof., red.; SHEVISOV, N.S., prof., red.; VERKHUNOV, V.M., assistent, red.; KONONKOV, A.F., red.; YERMAKOV, M.S., tekhn.red.

[Programs of courses on the history of the physicomathematical sciences] Programmy po istorii fiziko-matematicheskikh nauk.

(MIRA 12:12)

Moskva, 1959. 40 p.

1. Moscow. Universitet. 2. Orgkomitet Vsesoyuznoy mezhvuzovskoy
konferentsii po istorii fiziko-matematicheskikh nauk (for Kukarkin,
Rybnikov, Spasekiy, Gordeyev, Ivanenko, Kudryavtsev, Kulikovskiy,
Mikhaylov, Khrgian, Shevtsov, Verkhunov, Kononkov).

(Physics-Study and teaching)
(Mathematics-Study and teaching)

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sov/26-59-3-2/47

Kukarkin, B.V., Professor (Moscow)

AUTHOR:

The Launching of Cosmic Rockets and Astronomical

TITLE: Problems

Priroda, 1959, Nr 3, pp 7-8 (USSR) PERIODICAL:

ABSTRACT:

The author points out that the first cosmic rocket launched by the USSR on January, 2, 1959, reached the second cosmic speed (11.2 km/sec) and thus, overcoming the gravity field of the earth, became an independent body of the solar system. He describes various new possibilities in space research opened up by the rocket, e.g. direct observations of the magnetic field of the moon and its radioactivity, study of cosmic rays in interstellar space, corpuscular radiation of the sun, inter-

stellar and inter-planetary gas etc. Overcoming the third cosmic speed and the flight into inter-

Card 1/2

SOV/26-59-3-2/47

The Launching of Cosmic Rockets and Astronomical Problems

stellar space is a problem of special interest for future rocket development. Such a rocket should have a speed of over 12.3km/sec and be launched exactly in accordance with the direction of the earth's movement. In this connection, experiments testing Einstein's theory of relativity are also conceivable.

ASSOCIATION: Astronomicheskiy Sovet Akademii nauk SSSR (Astronomical Council of the AS USSR)

Card 2/2